

**In the Abstract**

(Currently Amended) The present invention concerns a sleeve (2) for a disc brake. The sleeve (2) is furnished with splines (4, 5) on the outer periphery for co-operation with one or more brake discs. The sleeve (2) is to be placed on a wheel axle and is attached to a wheel flange 1 by means of a number of bolts 3 received in threaded openings of the sleeve (2). A groove (6) is arranged in the sleeve (2), which groove (6) is parallel with the outer periphery of the sleeve (2) and is open at one end. The sleeve (2) has a generally straight outer periphery allowing the brake disc(s) to be slid off and slid onto the sleeve (2) in any axial direction.

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
16 January 2003 (16.01.2003)

PCT

(10) International Publication Number  
**WO 03/004895 A1**

(51) International Patent Classification<sup>7</sup>: **F16D 65/12**,  
65/847, B60B 27/02

(72) Inventor; and

(75) Inventor/Applicant (for US only): **GRIPEMARK**,  
Joakim [SE/SE]; O.D. Krooks Gata 39, S-254 43 Helsingborg (SE).

(21) International Application Number: **PCT/SE02/01294**

(22) International Filing Date: **1 July 2002 (01.07.2002)**

(74) Agent: **STRÖM & GULLIKSSON IPC AB**; P.O. Box  
4188, S-203 13 Malmö (SE).

(25) Filing Language: **English**

(26) Publication Language: **English**

(30) Priority Data:  
0102350-6 **2 July 2001 (02.07.2001)** **SE**

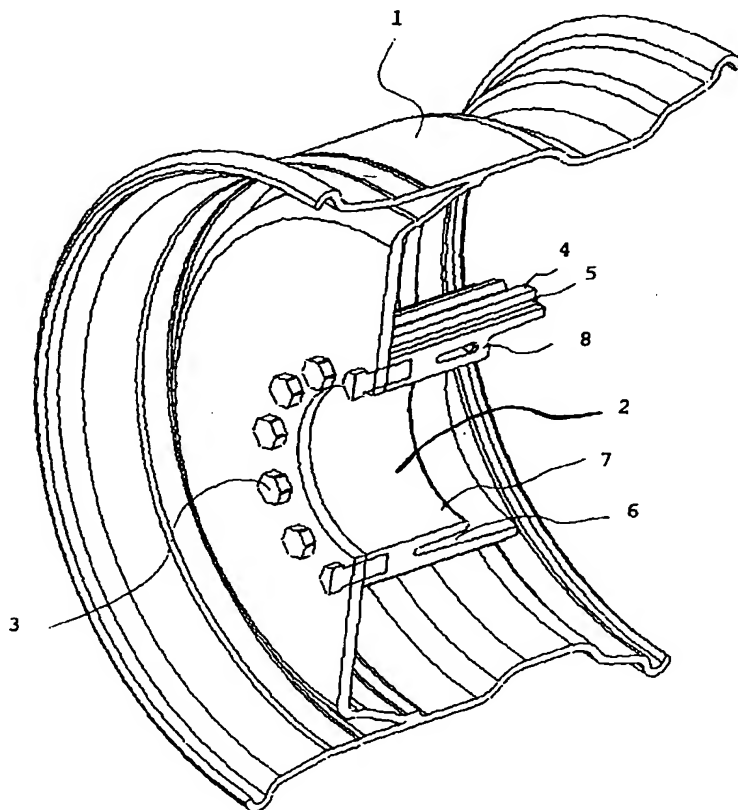
(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

(71) Applicant (for all designated States except US): **HALDEX BRAKE PRODUCTS AB** [SE/SE]; Box 501, S-261 24 Landskrona (SE).

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),

[Continued on next page]

(54) Title: **SLEEVE FOR A DISC BRAKE**



(57) Abstract: The present invention concerns a sleeve (2) for a disc brake. The sleeve (2) is furnished with splines (4, 5) on the outer periphery for co-operation with one or more brake discs. The sleeve (2) is to be placed on a wheel axle and is attached to a wheel flange (1) by means of a number of bolts (3) received in threaded openings of the sleeve (2). A groove (6) is arranged in the sleeve (2), which groove (6) is parallel with the outer periphery of the sleeve (2) and is open at one end. The sleeve (2) has a generally straight outer periphery allowing the brake disc(s) to be slid off and slid onto the sleeve (2) in any axial direction.



**WO 03/004895 A1**